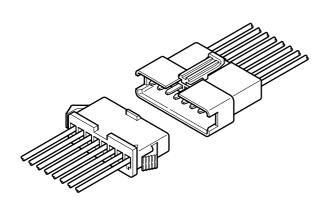


2.5mm pitch/Disconnectable Crimp style wire-to-wire connectors



The SM series are 2.5mm pitch, wire-to-wire connectors that perform reliably in high-density, small current applications.

- High contact pressure
- Highly reliable housing construction
- Mountable on a variety of panels
- · Arm lock mechanism

(18

Specifications -

Current rating: 3A AC, DC max.
Voltage rating: 250V AC, DC max.
Temperature range: -25°C to +85°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ 10m Ω max.

After environmental testing/ 20m Ω max.

• Insulation resistance: 500M Ω min. • Withstanding voltage: 1,500V AC/minute • Applicable wire: AWG #28 to #22 0.08 to 0.33mm²

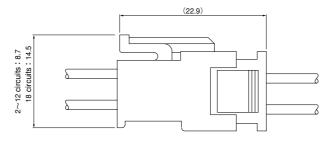
- Applicable panel thickness: 0.5 to 2.0mm
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

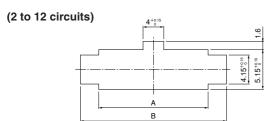
Standards -

Recognized E60389

⊕ Certified LR20812

△ R50120150



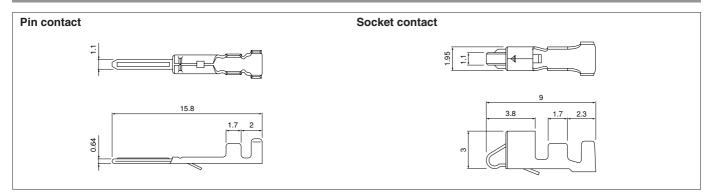


circuits)	7+0.15	4
		7.15+0:15
	A B	

		Panel thickness (mm)							
0::	Plug housing Model No.	0.5~0.9		1.0~1.5		1.5~2.0			
Circuits		Panel hole dimensions (mm) General tolerance							
		A ^{+0.15}	B ±0.1	A ^{+0.15}	B ±0.1	A ^{+0.15}	B ±0.1		
2	SMP-02V-B(N)C	5.7	9.6	5.7	9.8	5.7	10.0		
3	SMP-03V-B(N)C	8.2	12.1	8.2	12.3	8.2	12.5		
4	SMP-04V-B(N)C	10.7	14.6	10.7	14.8	10.7	15.0		
5	SMP-05V-B(N)C	13.2	17.1	13.2	17.3	13.2	17.5		
6	SMP-06V-B(N)C	15.7	19.6	15.7	19.8	15.7	20.0		
7	SMP-07V-B(N)C	18.2	22.1	18.2	22.3	18.2	22.5		
8	SMP-08V-B(N)C	20.7	24.6	20.7	24.8	20.7	25.0		
9	SMP-09V-B(N)C	23.2	27.1	23.2	27.3	23.2	27.5		
10	SMP-10V-B(N)C	25.7	29.6	25.7	29.8	25.7	30.0		
11	SMP-11V-B(N)C	28.2	32.1	28.2	32.3	28.2	32.5		
12	SMP-12V-B(N)C	30.7	34.6	30.7	34.8	30.7	35.0		
18	SMP-18V-B(N)C	23.2	27.2	23.2	27.4	23.2	27.6		

- Note: 1. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
 - 2. The strength of the panel must be considered when punching two or more holes.
 - 3. The connector must be inserted from the same side as the hole is punched.

Contact



Model No.		Applica	ble wire			
Pin contact	Socket contact	mm²	AWG #	Insulation O.D. (mm)	Q´ty / reel	
SYM-001T-P0.6	SHF-001T-0.8BS	0.08~0.33	28~22	1.2~1.8	Pin contact: 8,500 Socket contact: 5,000	

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Note: 1. Contact JST for special products.
2. Contact JST for brass products.

	Crimping	Applicator					
		Crimp applicator	Dies	Crimp applicator with dies			
SYM-001T-P0.6	AP-K2N	MKS-L	MK/SYM-001-06	APLMK SYM001-06			
		*MKS-SC	SC/SYM-001-06	APLSC SYM001-06			

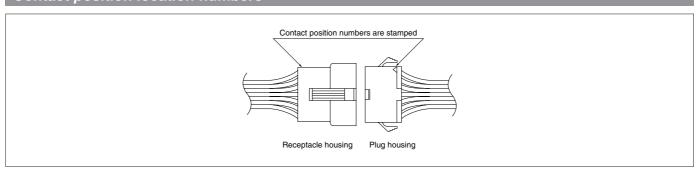
 Contact
 Crimping machine
 Applicator
 Dies
 Crimp applicator with dies

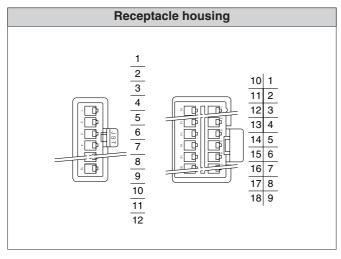
 SHF-001T-0.8BS
 AP-K2N
 MKS-L
 MK/SHF-001-08S
 APLMK SHF001-08S

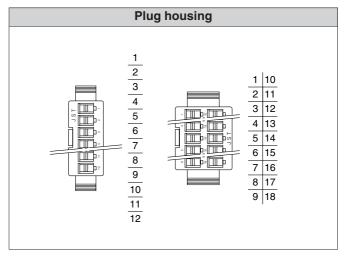
 *MKS-SC
 SC/SHF-001-08S
 APLSC SHF001-08S

Note: *Strip-crimp applicator

Contact position location numbers







Housing

Material: PA 6, UL94V-0

		Material: PA			
Circuits	Current rating	Receptacle housing(for pin contact)		Plug housing(for socket contact)	
		SMR-02V-B, black SMR-02V-N, white (natural)	Q´ty / bag	SMP-02V-BC, black SMP-02V-NC, white (natural)	Q'ty / bag
2	3 A	0 10.2 7.5 18.2	1,000	SC	1,000
		SMR-03V-B, black SMR-03V-N, white (natural)	Q'ty / bag	SMP-03V-BC, black SMP-03V-NC, white (natural)	Q'ty / bag
3	ЗА	φ (10.2) 7.5	1,000	20	1,000
		SMR-04V-B, black SMR-04V-N, white (natural)	Q´ty / bag	SMP-04V-BC, black SMP-04V-NC, white (natural)	Q'ty / bag
4	ЗА	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	500	90 E C C C C C C C C C C C C C C C C C C	1,000
		SMR-05V-B, black SMR-05V-N, white (natural)	Q'ty / bag	SMP-05V-BC, black SMP-05V-NC, white (natural)	Q'ty / bag
5	ЗА	29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	500	11.7 7.4	1,000
		SMR-06V-B, black SMR-06V-N, white (natural)	Q'ty / bag	SMP-06V-BC, black SMP-06V-NC, white (natural)	Q´ty / bag
6	3A	80	500	99 11.7 7.4	500

RoHS compliance

Housing

Material: PA 6, UL94V-0

Circuits	Current rating	Receptacle housing(for pin contact)	Plug housing(for socket contact)		
		SMR-07V-B, black SMR-07V-N, white (natural)	Q'ty / bag	SMP-07V-BC, black SMP-07V-NC, white (natural)	Q'ty / bag
7	3A	900 <u>D</u> <u>D</u> <u>S</u>	500	2	500
		SMR-08V-B, black SMR-08V-N, white (natural)	Q´ty / bag	SMP-08V-BC, black SMP-08V-NC, white (natural)	Q'ty / bag
8	ЗА	\$\frac{10.2}{7.5}	500	\$002 11.7 7.4	500
		SMR-09V-B, black SMR-09V-N, white (natural)	Q'ty / bag	SMP-09V-BC, black SMP-09V-NC, white (natural)	Q'ty / bag
9	3A	8	500	11.7 7.4	500
		SMR-10V-B, black SMR-10V-N, white (natural)	Q'ty / bag	SMP-10V-BC, black SMP-10V-NC, white (natural)	Q'ty / bag
10	3A	88	200	11.7 7.4	500
		SMR-11V-B, black SMR-11V-N, white (natural)	Q´ty / bag	SMP-11V-BC, black SMP-11V-NC, white (natural)	Q'ty / bag
11	3A	\$ 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200		500

RoHS compliance

Housing

Material: PA 6, UL94V-0

Circuits	Current rating	Receptacle housing(for pin contact)	Plug housing(for socket contact)		
		SMR-12V-B, black SMR-12V-N, white (natural)	Q'ty / bag	SMP-12V-BC, black SMP-12V-NC, white (natural)	Q´ty / bag
12	3A	8 10.2 7.5 18.2	500	9000 111.7 11.7	500
		SMR-18V-B, black SMR-18V-N, white (natural)	Q'ty / bag	SMP-18V-BC, black SMP-18V-NC, white (natural)	Q´ty / bag
18	2A	\$\\ \frac{10}{10} \\ \frac{10}{10} \\ \frac{10}{10} \\ \frac{10}{18.7} \end{array}\$	200	2 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	200

RoHS compliance

Note: 1. SM connectors with any number of circuits can be used either panel mounted or free hanging.

2. Contact JST for special products.